

TXI Haul Road Variances

Gilleland, Elm, and Colorado River Watersheds
(Suburban Watershed Classifications)
Desired Development Zone

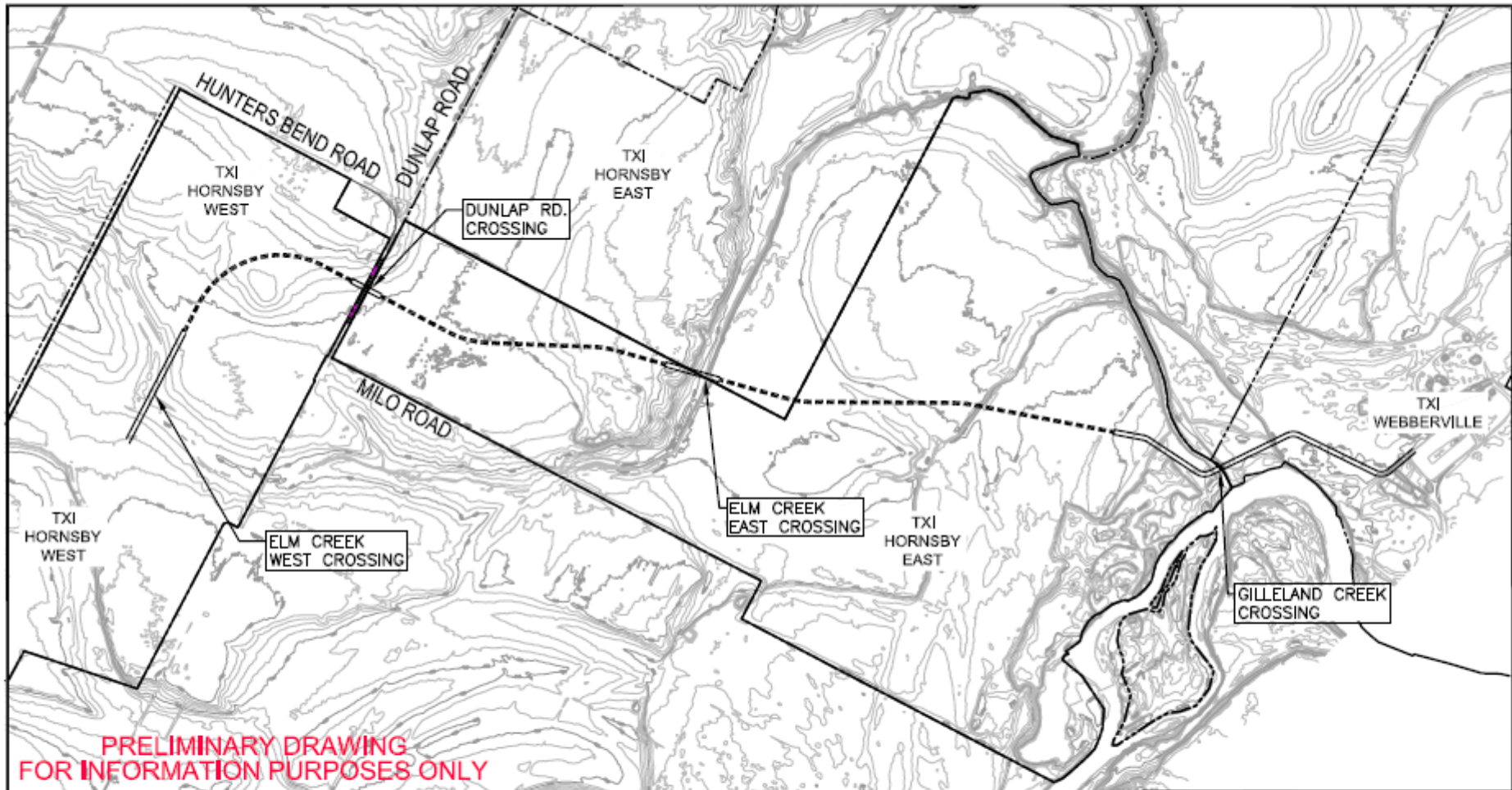
City of Austin Environmental
Review Staff: Brad Jackson

Variance Requests

◆ Variances to:

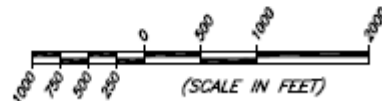
- 25-8-341 (*Cut Requirements*) to allow cut up to 10 feet for construction of the haul road.
- 25-8-342 (*Fill Requirements*) to allow fill up to 10 feet for construction of the haul road.
- 25-8-392 (*Critical Water Quality Zone*) to allow haul road and/or conveyor to cross Gilleland and Elm Creeks at the 3 locations shown in Exhibit A.
- 25-8-281 (*Critical Environmental Features*) to allow a reduced setback for wetlands and wetland mitigation as established in this ordinance.

Exhibit A



LEGEND

----- CONNECTING HAUL ROAD
(ALIGNMENT VARIES WITH MINING PHASE)



MEC
Murtos Engineering Company

TXI PROJECTS PROPOSED CROSSING LOCATIONS

1991 Capital of Texas Highway South, Building G, Suite 110, Austin, Texas 78746 (512) 225-8894
Texas Registered Engineering Firm P-185
FILE/JAVOITY 04670550107-45516-0V1-0005-N0001.dwg (11/17/04) DATE: 03/02/12 DRAWN: P001

Exhibit A

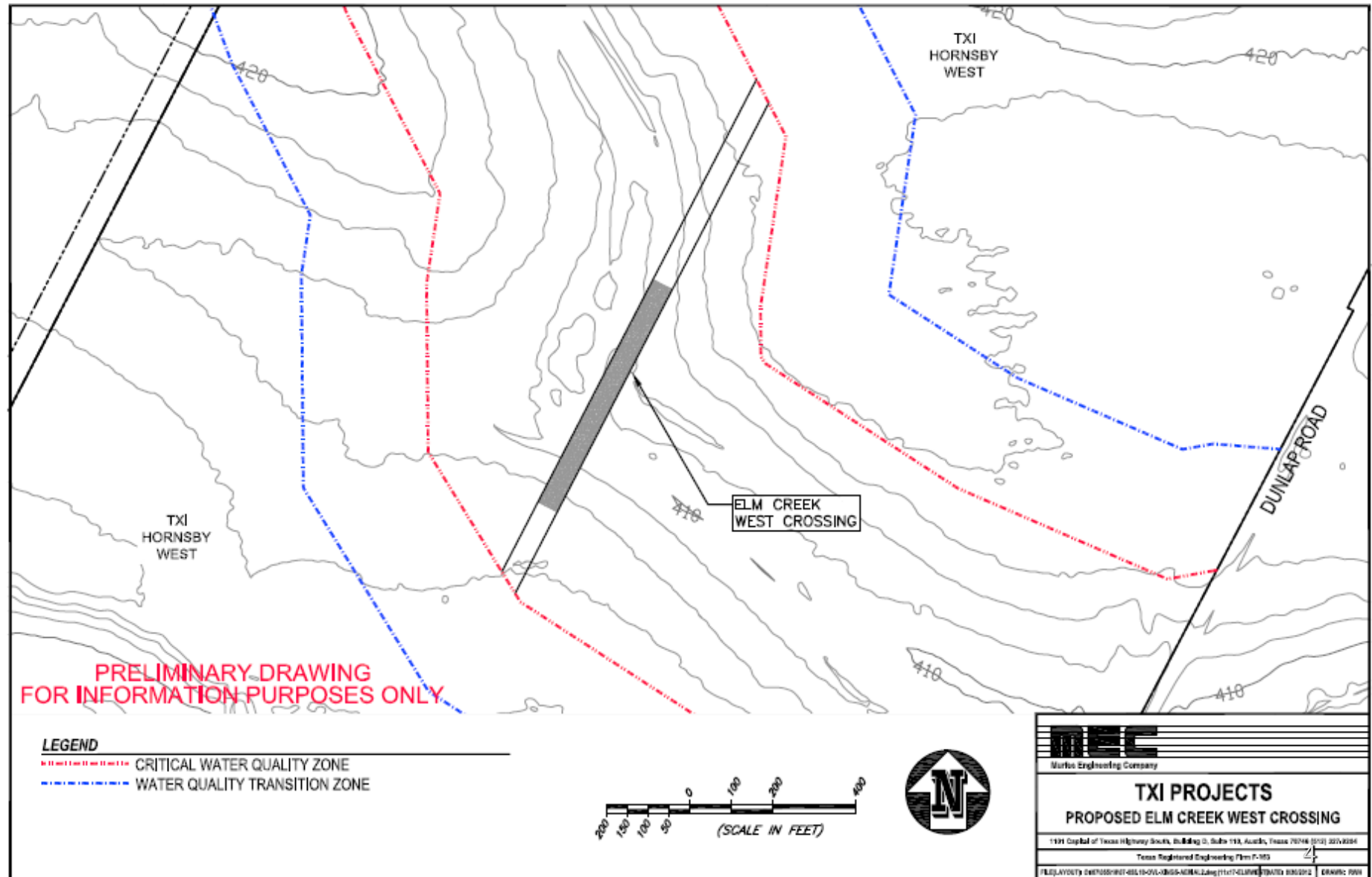
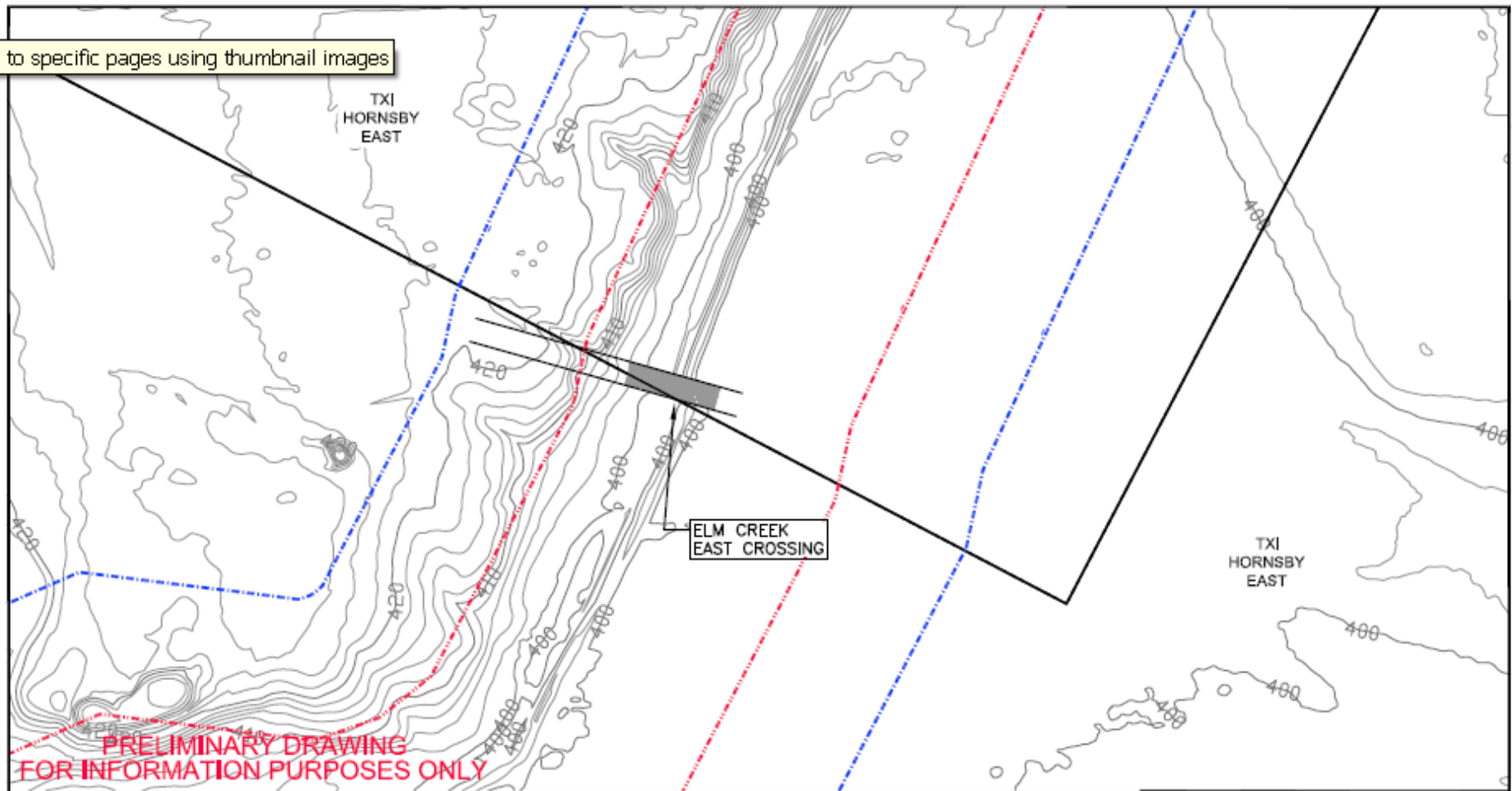


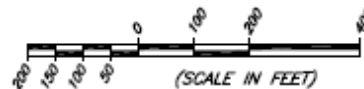
Exhibit A

Go to specific pages using thumbnail images



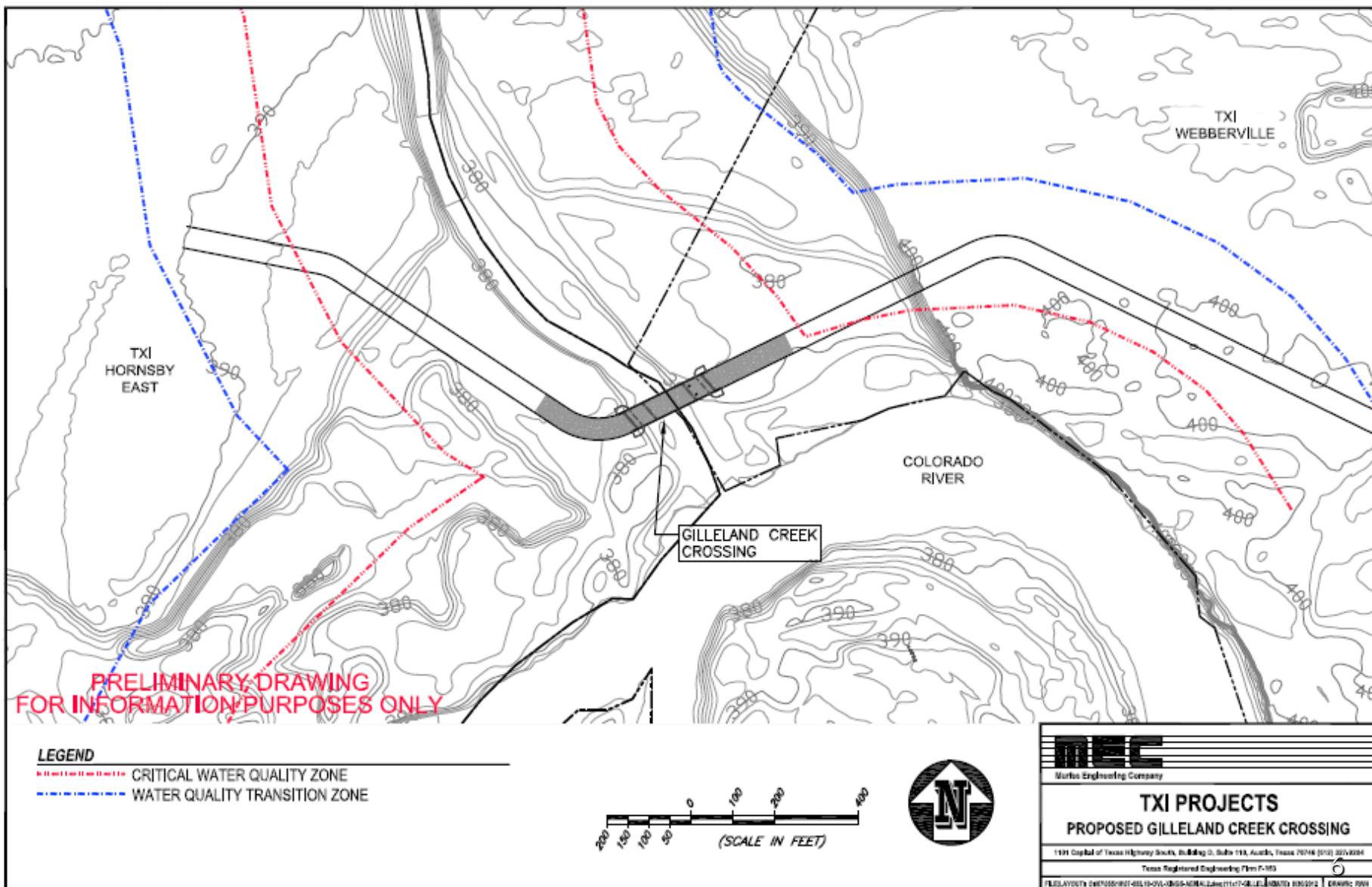
LEGEND

- CRITICAL WATER QUALITY ZONE
- WATER QUALITY TRANSITION ZONE

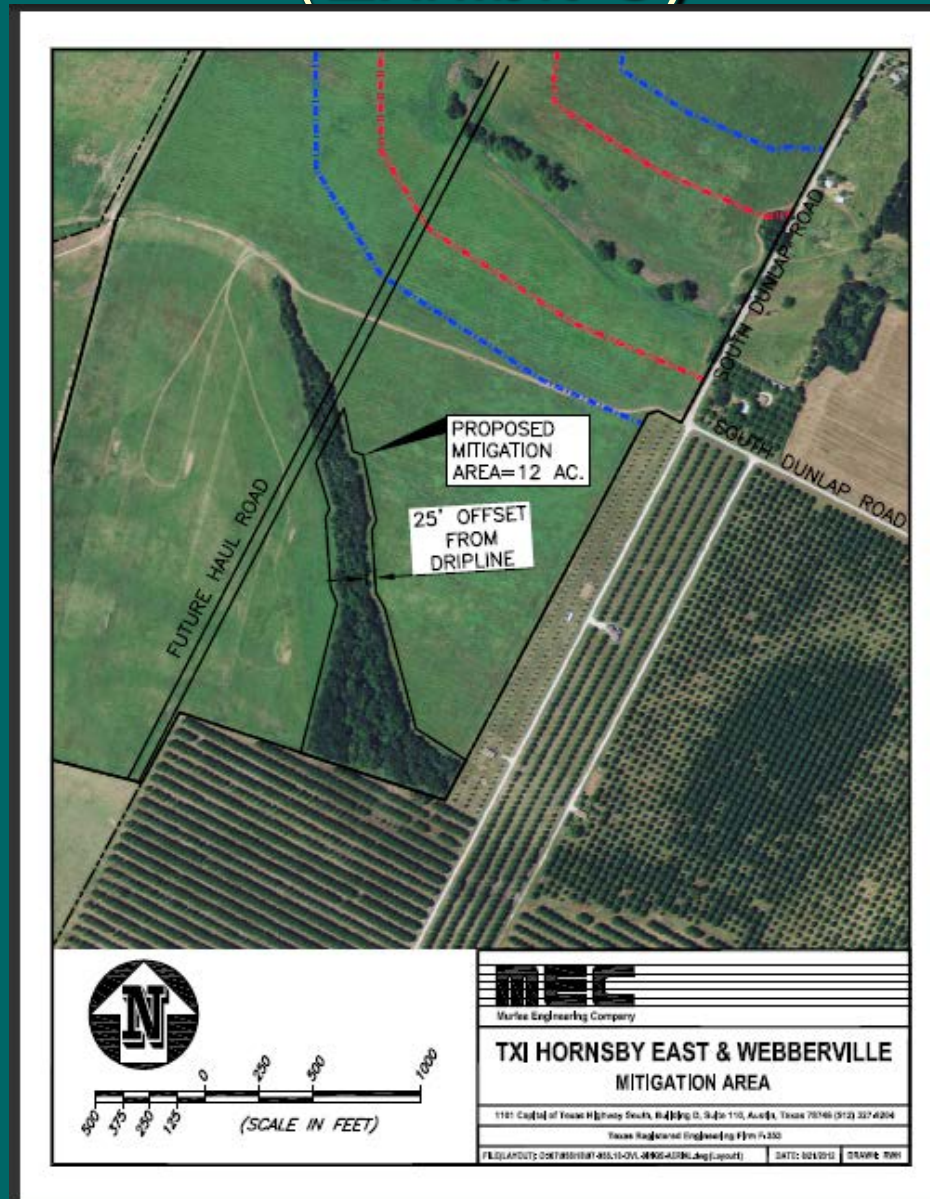


MEC Murtos Engineering Company	
TXI PROJECTS PROPOSED ELM CREEK EAST CROSSING	
1101 Capital of Texas Highway South, Building D, Suite 110, Austin, Texas 78746 (512) 357-0200	
Texas Registered Engineering Firm P-103	
FILE/LAYOUT: 08/10/2017 08:10:00-JORGIS-NORMAN/ElmCreek/1101-ELM-CR	DATE: 08/10/2017
5	DRAWN: RWH

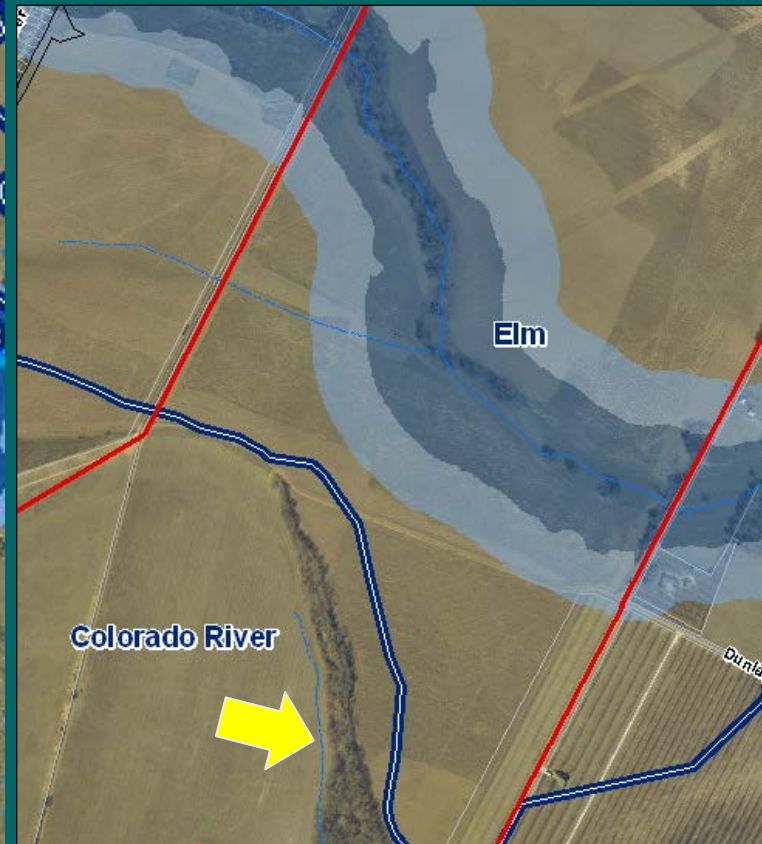
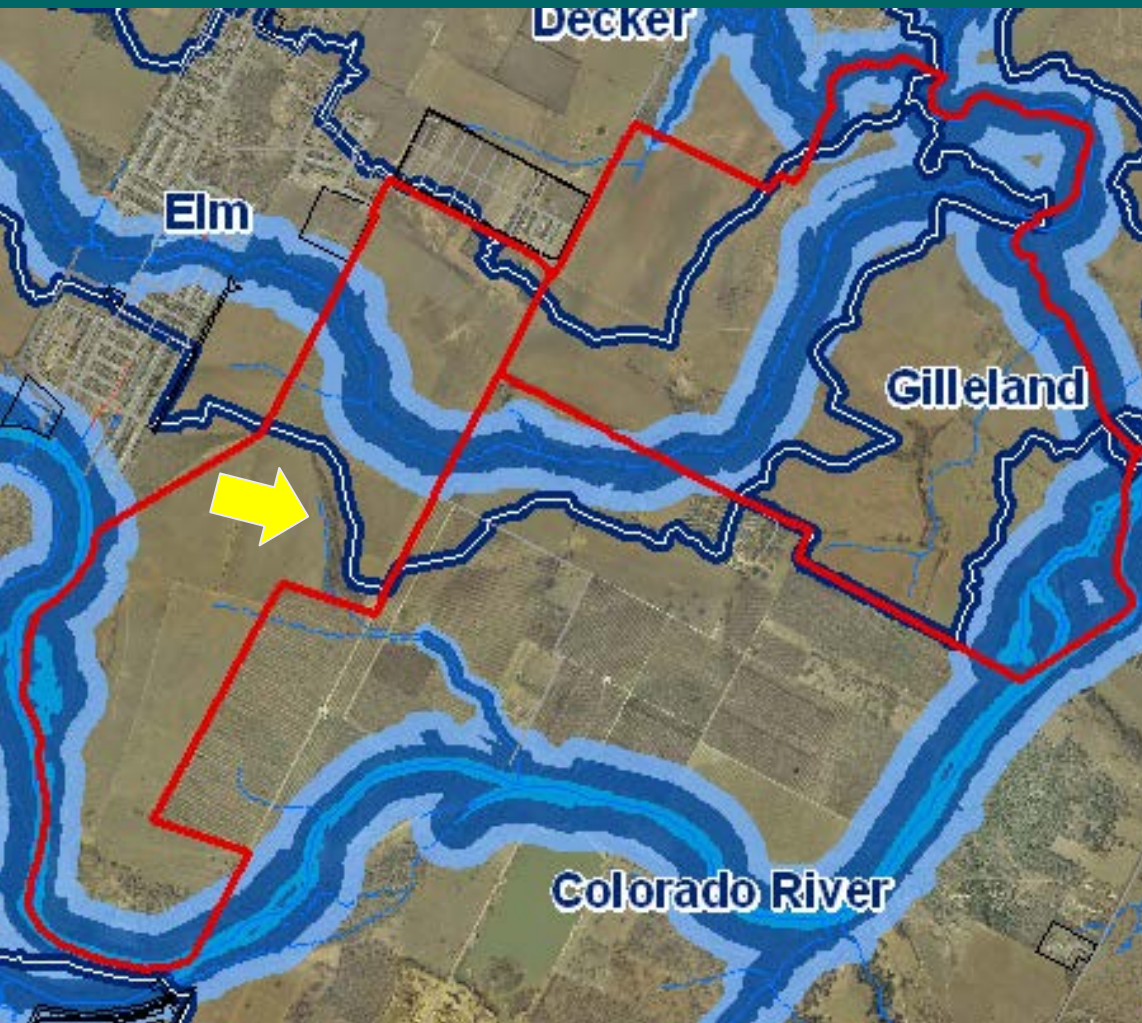
Exhibit A



Wetland Mitigation Area (Exhibit C)



Location of Mitigation Area on TXI Hornsby Bend West Site



Conditions of Variance Approvals

A. Haul Road and/or Conveyor

- ◆ Plans filed by TXI shall demonstrate:
 - Erosion and sedimentation controls at each creek crossing in accordance with the City of Austin Environmental Criteria Manual ("ECM").

Conditions of Variance Approvals

B. Critical Water Quality Zone

- ◆ Strict adherence to the requirements of the ECM, including:
 - Phasing
 - Stockpiling outside of the 100yr floodplain
 - Diverting flows around work areas
 - Layering controls on steeper slopes
 - Minimize the LOC within the CWQZ.

Conditions of Variance Approvals

C. Bridge Crossing (Gilleland Creek)

- ◆ Plans filed by TXI shall demonstrate:
 - Stream channel bed and bank stability.
 - Approaches to bridge designed to withstand the 100-year storm.
 - The bridge and paved approaches sloped with curbs that direct all stormwater to sedimentation basins.

Conditions of Variance Approvals

D. At-Grade Crossings (Elm Creek)

- ◆ Plans filed by TXI shall demonstrate:
 - Armoring and anchoring of crossing for stability and to prevent scour of channel at base flow and up to 100-year storm.
 - Demonstrate TSS removal per ECM section 1.4.4.B.1, section 1.4.4.B.2, and section 1.4.5.K.

Conditions of Variance Approvals

E. Conveyor

- ◆ Conveyor at any stream crossing shall be placed above the elevation of the 100-year, 24-hour storm and provide containment to prevent discharge of materials into or adjacent to streams.

Conditions of Variance Approvals

F. Wetland Protection

- ◆ Plans filed by TXI shall demonstrate:
 - The limits of construction shall exclude Critical Environmental Feature (CEF) setbacks to the maximum extent feasible.
 - A Restrictive Covenant shall restrict from development and ensure that the wetland mitigation area remains undisturbed and in its natural state in perpetuity.

Conditions of Variance Approvals

G. Additional Conditions

- ◆ TXI shall:
 - not use Fertilizers, pesticides, or herbicides within the flood plain.
 - revegetate all disturbed areas within the CWQZ with native vegetation (609S).
 - post fiscal security for the revegetation in the CWQZ.

Photo of Gilleland crossing on TXI Hornsby Bend East site.
Webberville Plant site shown to right of creek.



Photo of Gilleland crossing on TXI Webberville Plant site with
Colorado River in the distance.



These variances will not be effective until:

- The Development Agreement between Travis County and TXI has been executed and recorded.
- Travis County and TXI have escrowed the items required in the Development Agreement.

Questions?

Thank you